

09818875-080701

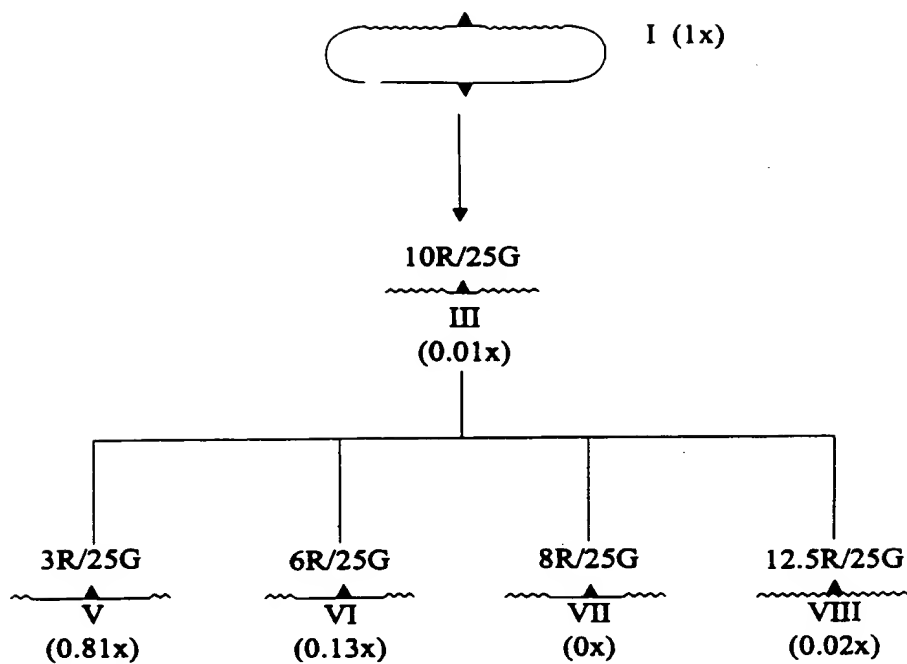


Figure 1A

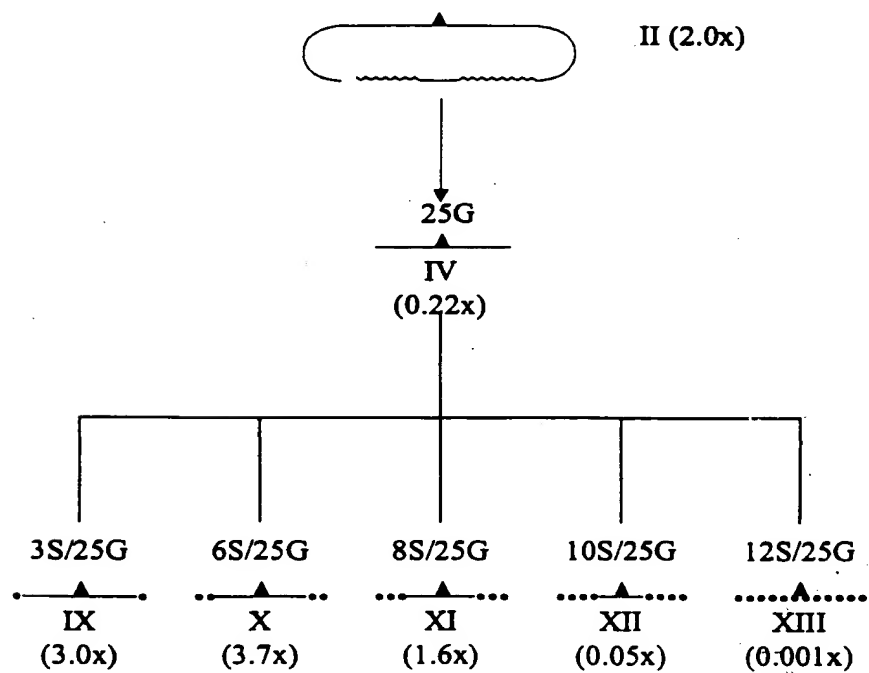
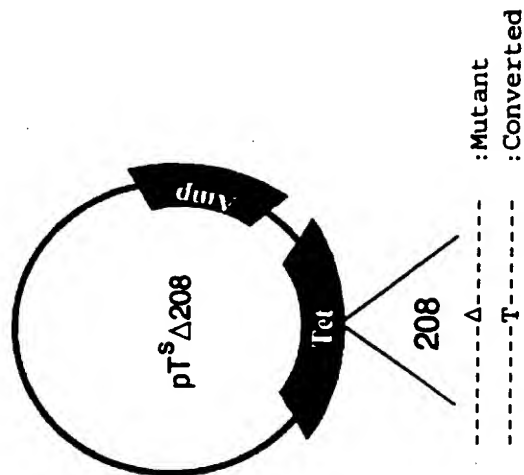
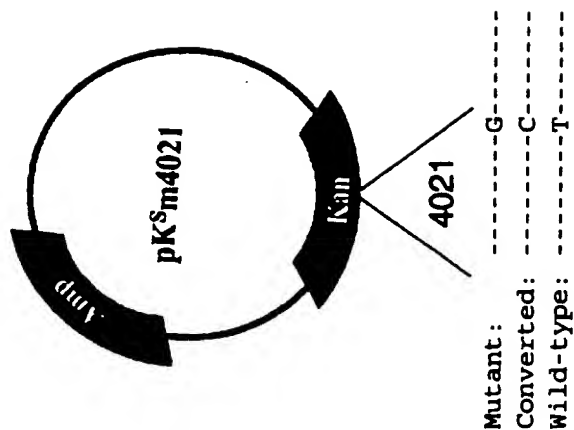


Figure 1B

Plasmids, DNA targets and chimeric oligonucleotides



KanGG

TetΔ208T

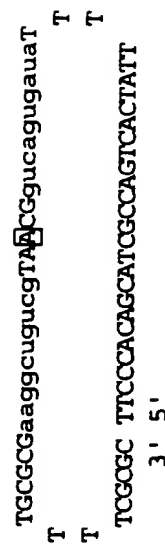
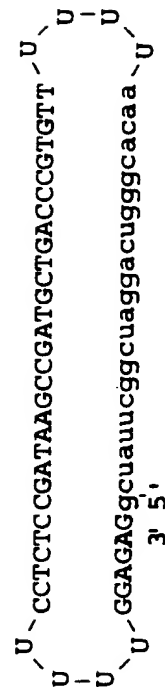
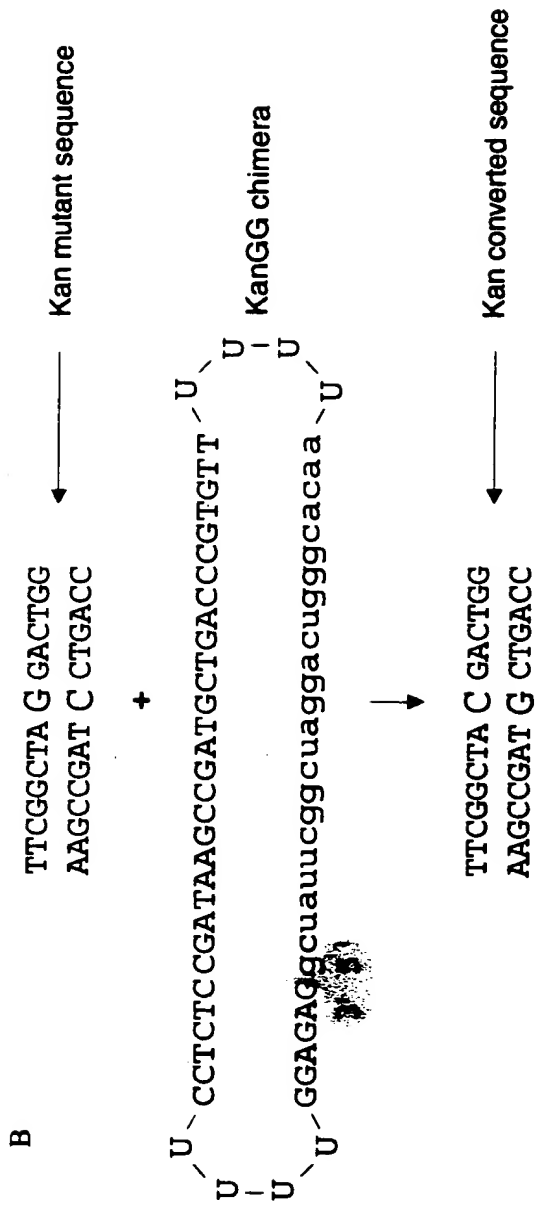


Figure 1C



# DNA SEQUENCE ANALYSES

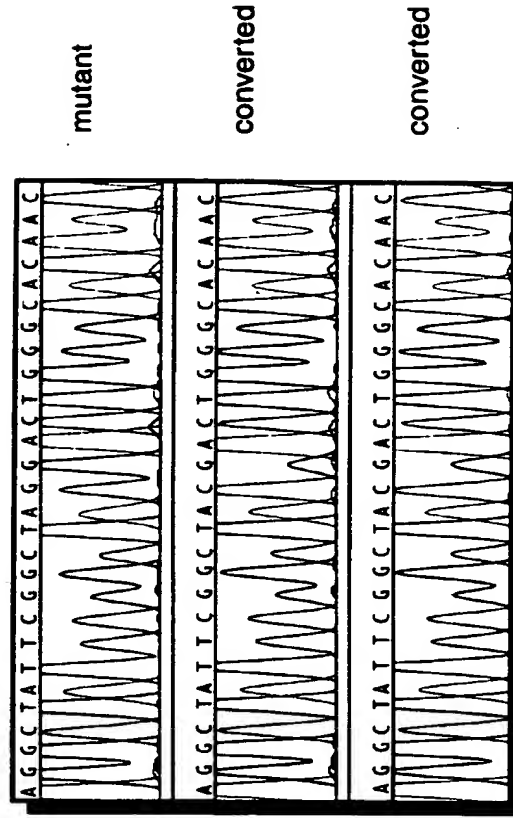


Figure 1D

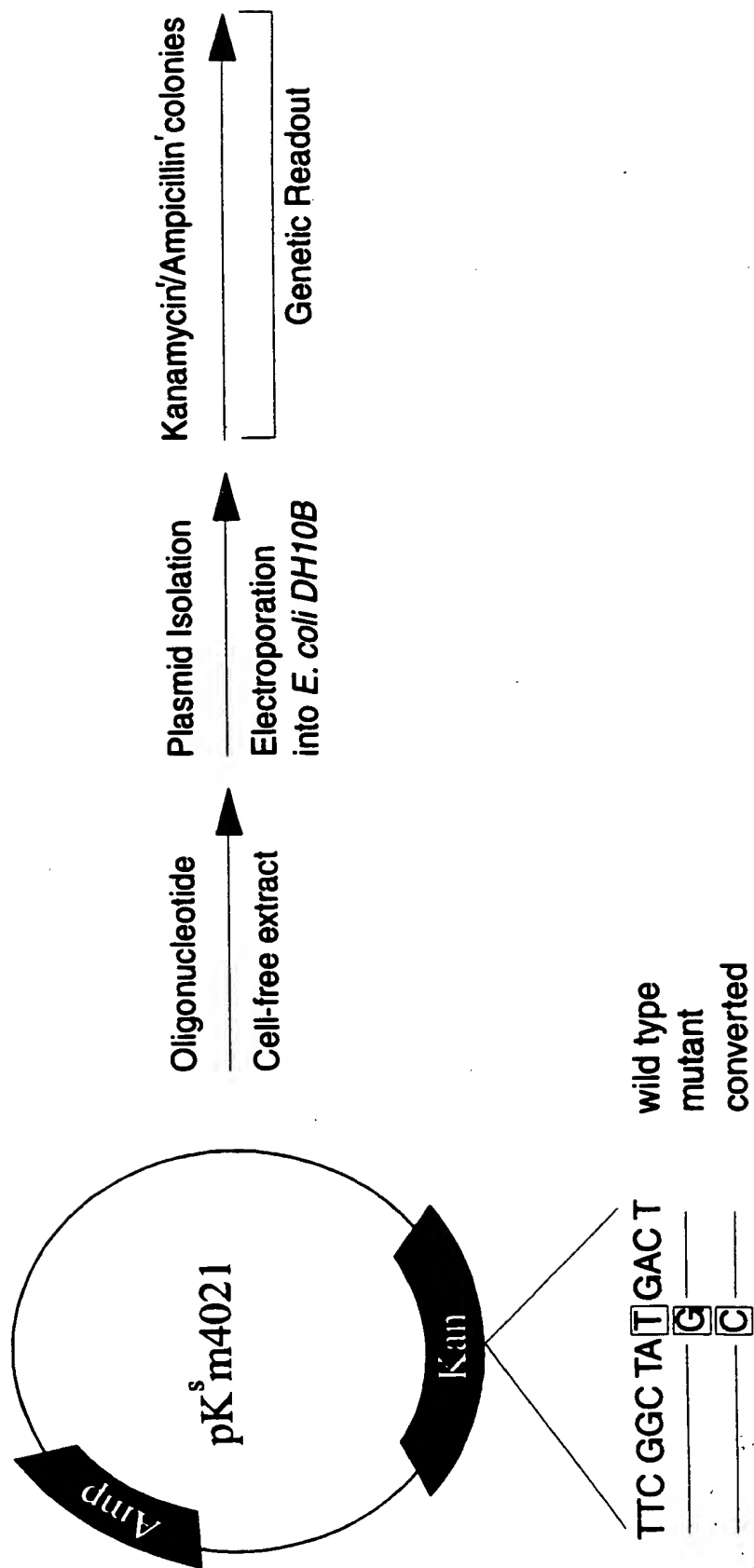
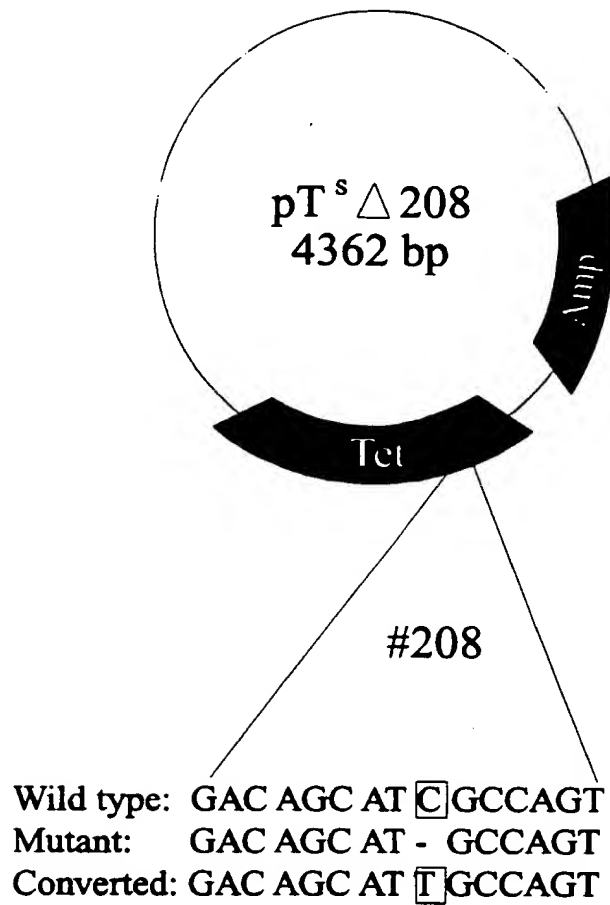


Figure 2

091875.0801  
T02080"5288T860



### Sequence analysis of Tet<sup>r</sup> plasmid Δ208

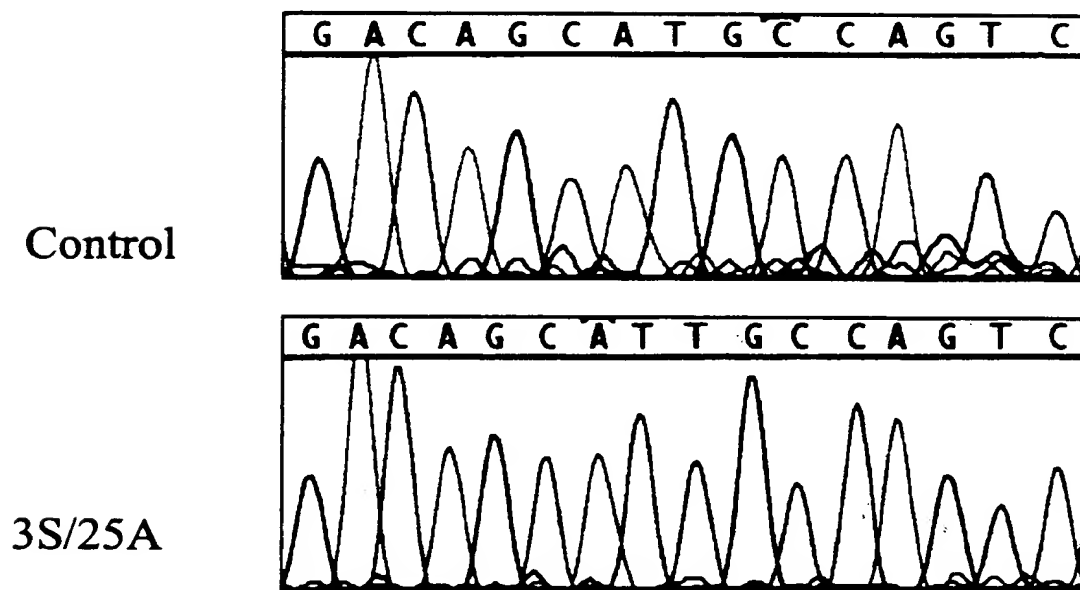
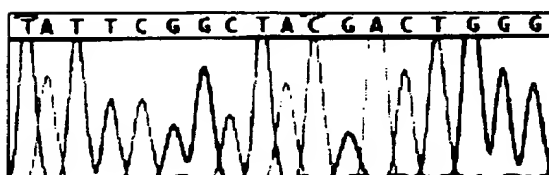


Figure 3

# DNA sequence analysis of Kan<sup>r</sup> plasmids

Target codon distribution					
oligomer	TAG	TAC	TAC/TAG	TGG	TCG
1) 3S/25G (20)	----	+	----	----	----
2) 6S/25G (20)	----	+	----	----	----
3) 8S/25G (20)	----	+	----	----	----
4) 10S/25G (18)	----	+	----	+(2)	+(2)
5) 25S/25G (4)	---	---	+(2)	+(2)	---

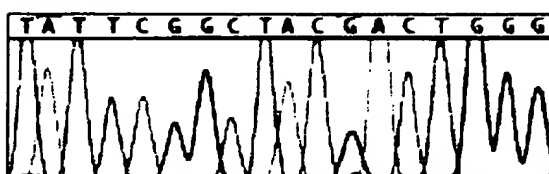
3S/25G



6S/25G



8S/25G



10S/25G



25S/25G



25S/25G

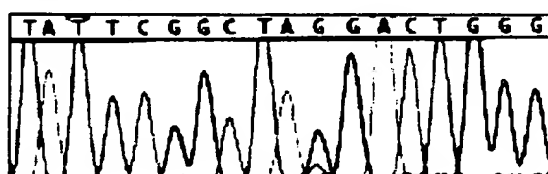


Figure 4

0918275-080701

FOUO 5/88T860

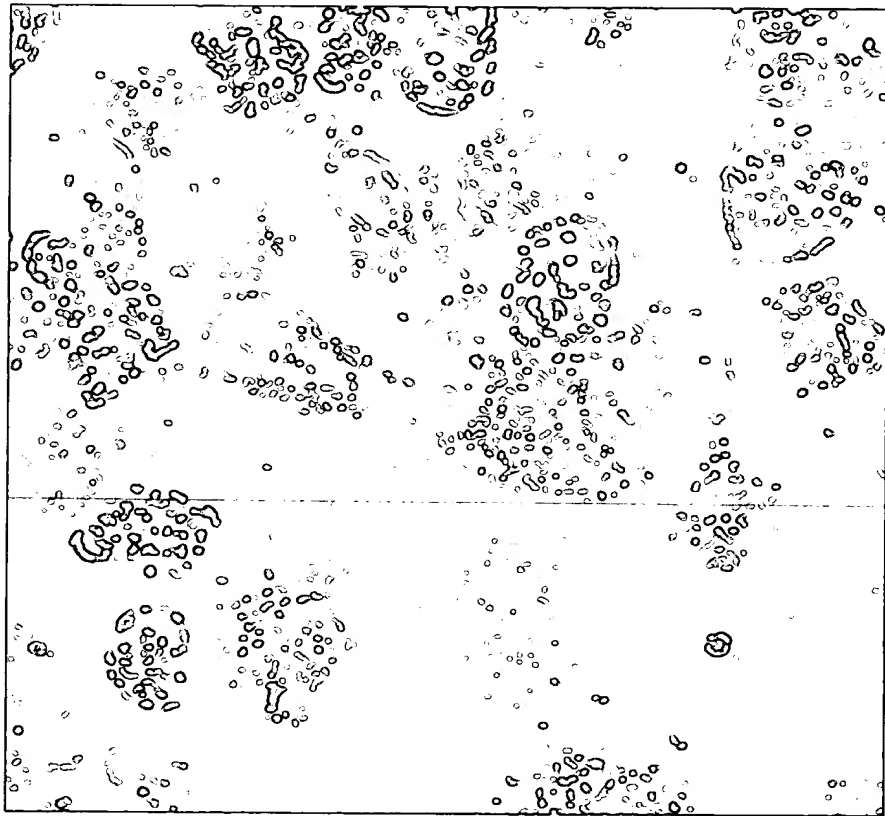


Figure 5

091375-030701

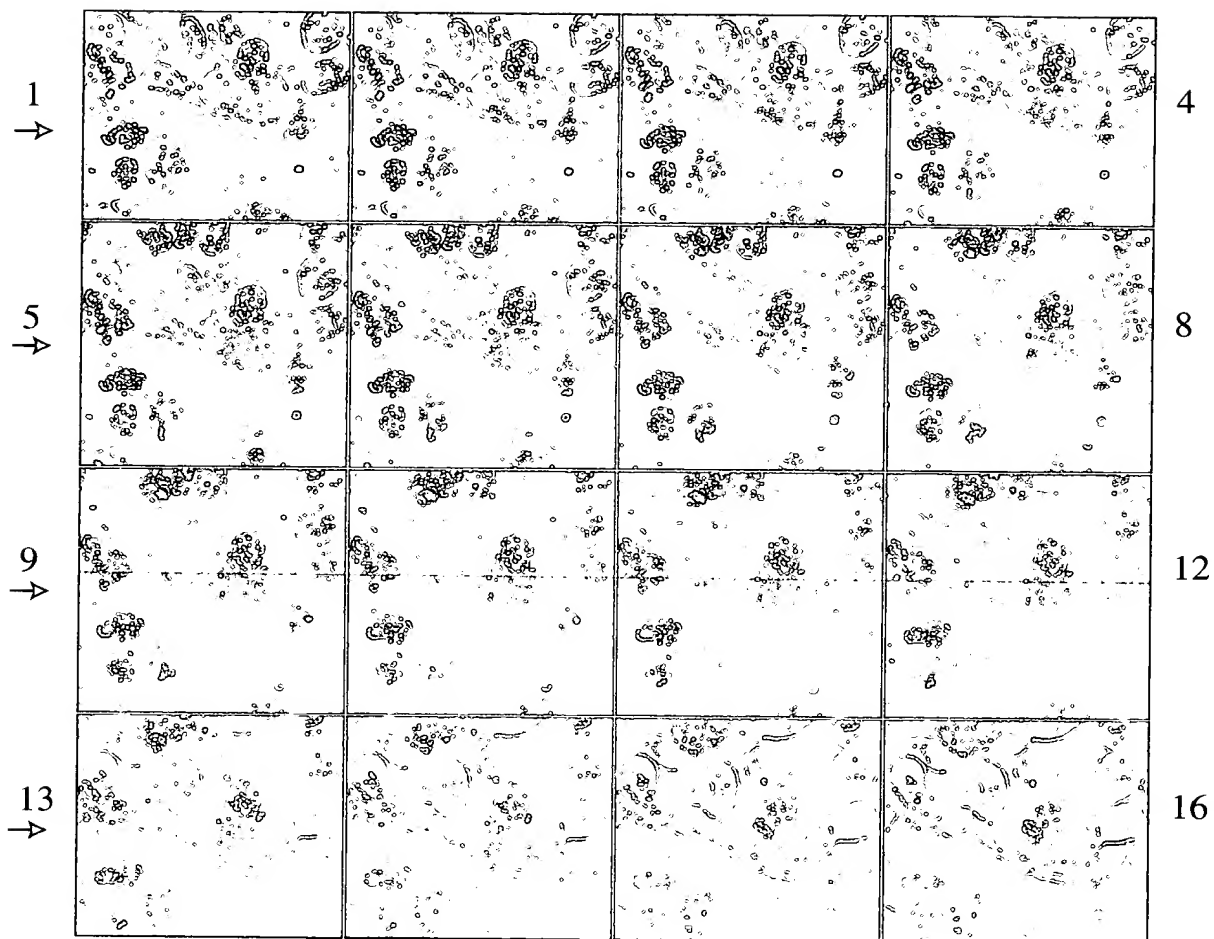
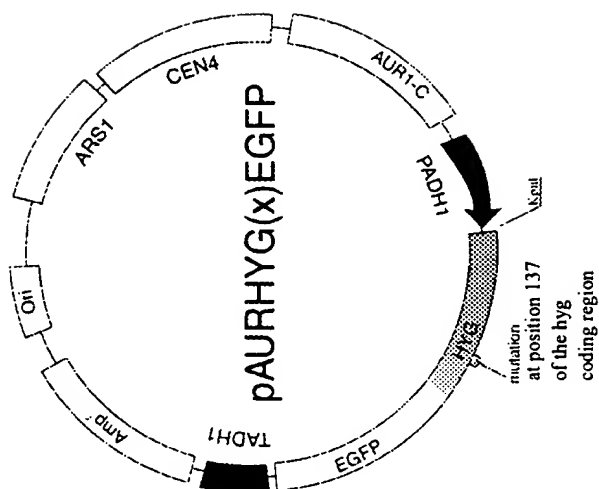


Figure 6

TC04080" 5438T860

Sequence of normal allele: GTGGATATGTCCT  
 Target/existing mutant: GTGGATAATGTCCT  
 Desired alteration: GTGGATACGTCCT

Figure 7A



Sequence of normal allele: GTGGATATGTCCT  
 Target/existing mutant: GTGGATAGGTCCT  
 Desired alteration: GTGGATACGTCCT

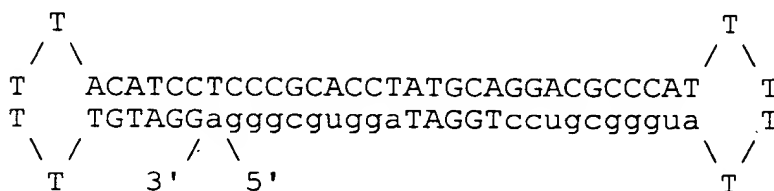
Figure 7B

HvgE3T/25: 5'-AGG GCG TGG ATA CGT CCT GCG GGT A-3'

HvgE3T/74: 5'-CTC GTG CTT TCA GCT TCG ATG TAG GAG GGC  
GTG GAT ACG TCC TGC GGG TAA ATA GCT GCG  
CCG ATG GTT TCT AC-3'

HvgE3T/74α: 5'-GTA GAA ACC ATC GGC GCA GCT ATT TAC CCG  
CAG GAC GTA TCC ACG CCC TCC TAC ATC GAA  
GCT GAA AGC ACG AG-3'

HvgGG/Rev:

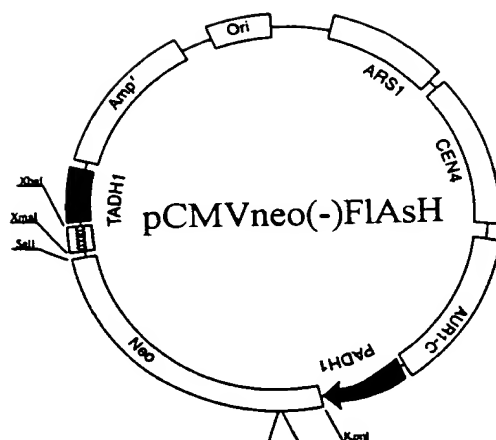


Kan70T: 5'-CAT CAG AGC AGC CAA TTG TCT GTT GTG CCC AGT  
CGT AGC CGA ATA GCC TCT CCA CCC AAG CGG CCG GAG  
A-3'

Figure 8

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TTCGGCTA G GACTGG  
AAGCCGAT C CTGACC

Neo/kan target mutant



TTCGGCTA C GACTGG  
AAGCCGAT G CTGACC

converted

# FUSION GENE FOR LIGAND BINDING

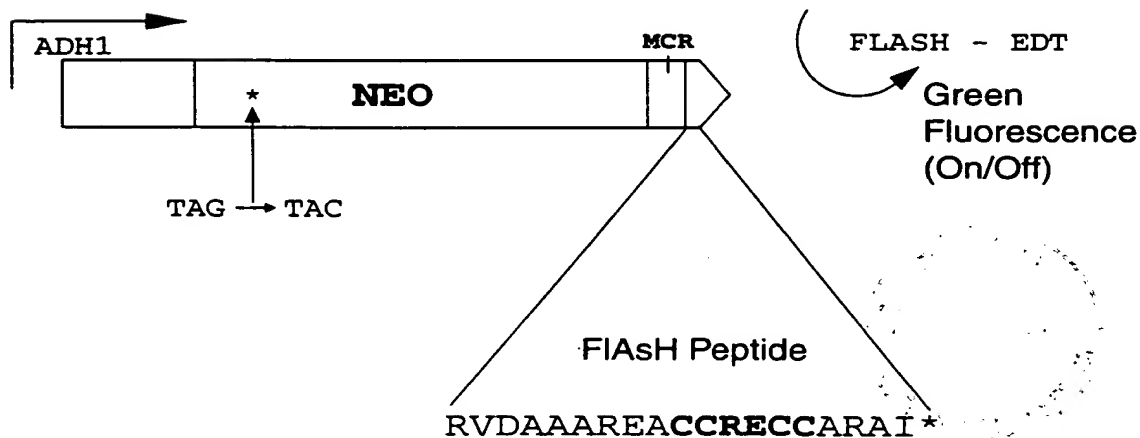


Figure 9

09848875.080701

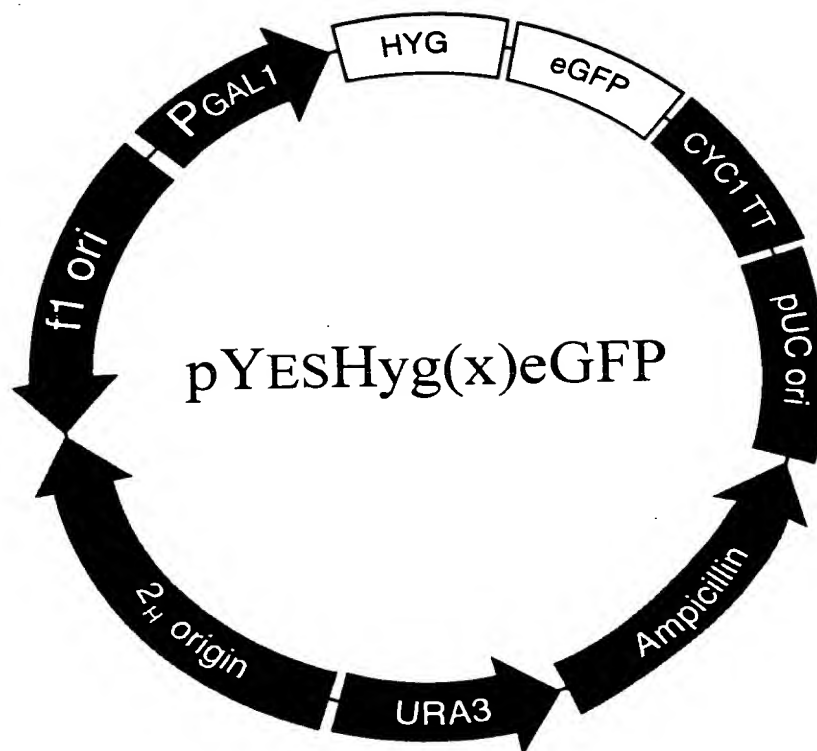


Figure 10